WRITING FORMULAS (CRISS-CROSS METHOD)

Name _____

Write the formulas of the compounds produced from the listed ions.

	Cl^-	CO_3^{-2}	OH^-	SO_4^{-2}	PO_4^{-3}	NO_3^-
Na^+						
NH_4^+						
K^+						
Ca^{+2}						
Mg^{+2}						
Zn^{+2}						
Fe^{+3}						
Al^{+3}						
Co^{+3}						
Fe^{+2}						
H^+						

NAME_____

DATE_____CLASS___

WRITING FORMULAS 1

a) For each compound write the symbols in correct order.
b) Write the charge above each symbol.
c) Add subscripts to balance formula.

compound name	first element symbol & charges shown	second element symbol & charges shown	correct formula no charge shown
1. sodium fluoride	Na^+	F^-	NaF
2. strontium chloride	____	____	_____
3. potassium chloride	____	____	_____
4. magnesium bromide	____	____	_____
5. potassium iodide	____	____	_____
6. calcium oxide	____	____	_____
7. aluminum oxide	____	____	_____
8. boron nitride	____	____	_____
~~9.~~ arsenic oxide	____	____	_____
~~10.~~ zinc sulfide	____	____	_____
11. sodium sulfide	____	____	_____
12. potassium bromide	____	____	_____
13. magnesium oxide	____	____	_____
14. lithium chloride	____	____	_____
~~15.~~ silver chloride	____	____	_____
16. calcium fluoride	____	____	_____
17. sodium oxide	____	____	_____
18. aluminum nitride	____	____	_____